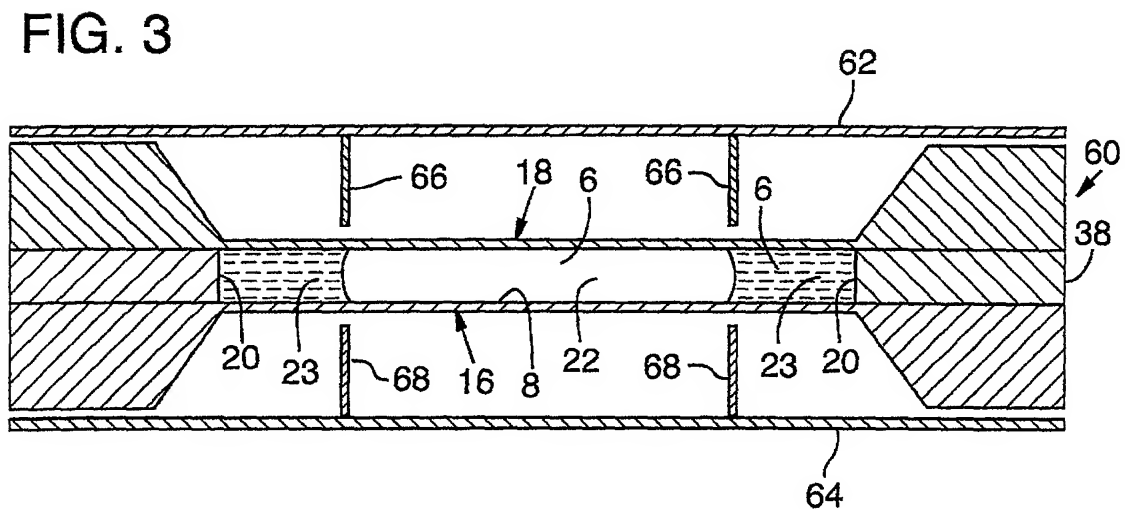


FIG. 1



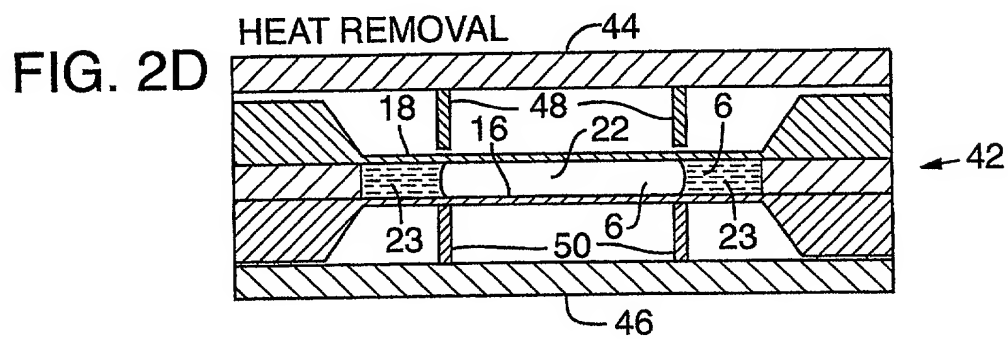
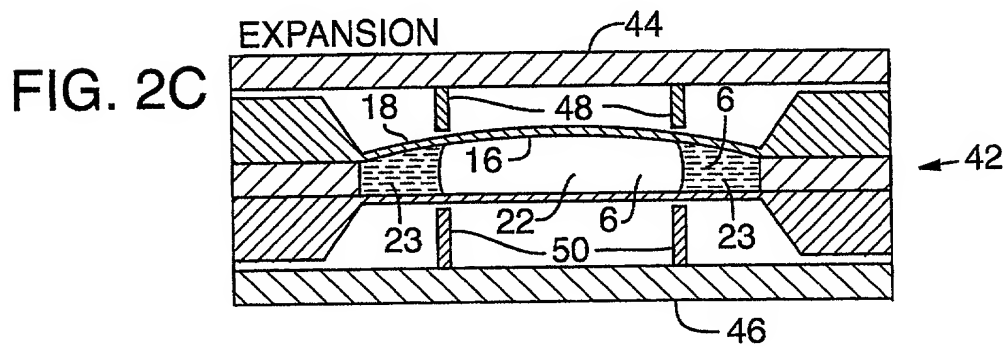
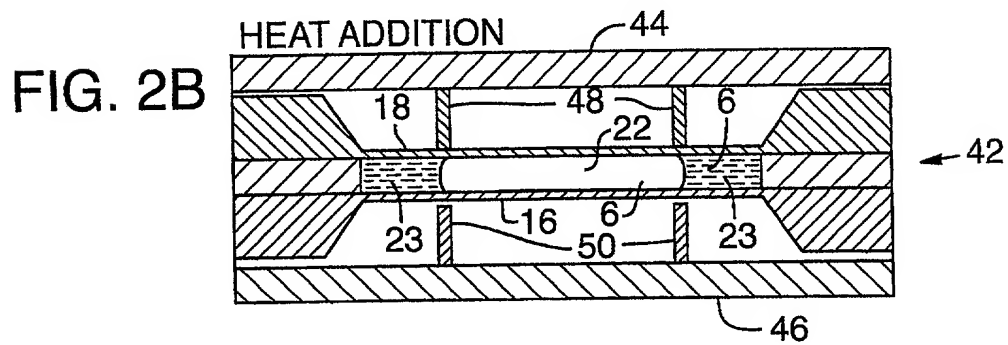
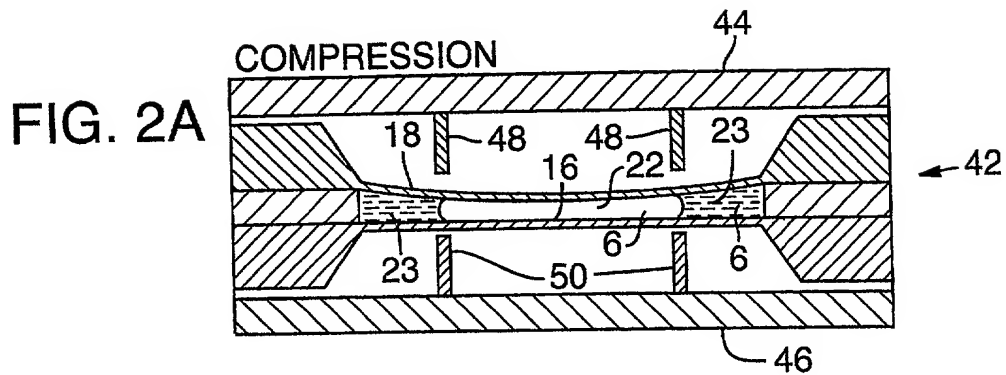


FIG. 4

FIG. 4 is a top-down view of a circular substrate 88. The substrate contains a 5x5 grid of 25 square openings 90. Each opening 90 is a square with a smaller square centered within it, creating a square frame. The openings are arranged in five rows and five columns. The label 90 is placed above the first three openings in the top row, and the label 88 is placed to the right of the top row of openings.

FIG. 5

A detailed cross-sectional diagram of a multi-layered material assembly, labeled FIG. 5. The assembly consists of six horizontal layers stacked vertically. Each layer is composed of several distinct regions or components, indicated by different hatching patterns and labels. From top to bottom, the layers are separated by thin, wavy lines representing interfaces. The top layer features a central region labeled 80, flanked by regions labeled 78 and 6. Below this, the second layer shows a central region labeled 16, flanked by regions labeled 78 and 6. The third layer has a central region labeled 80, flanked by regions labeled 78 and 6. The fourth layer shows a central region labeled 16, flanked by regions labeled 78 and 6. The fifth layer has a central region labeled 80, flanked by regions labeled 78 and 6. The bottom layer shows a central region labeled 16, flanked by regions labeled 78 and 6. On the left side, a bracket labeled 86 groups the first four layers. On the right side, a bracket labeled 70 groups the entire assembly. Various other labels (e.g., 42, 16, 18, 72, 74, 76) point to specific features, boundaries, or interfaces within the layers.

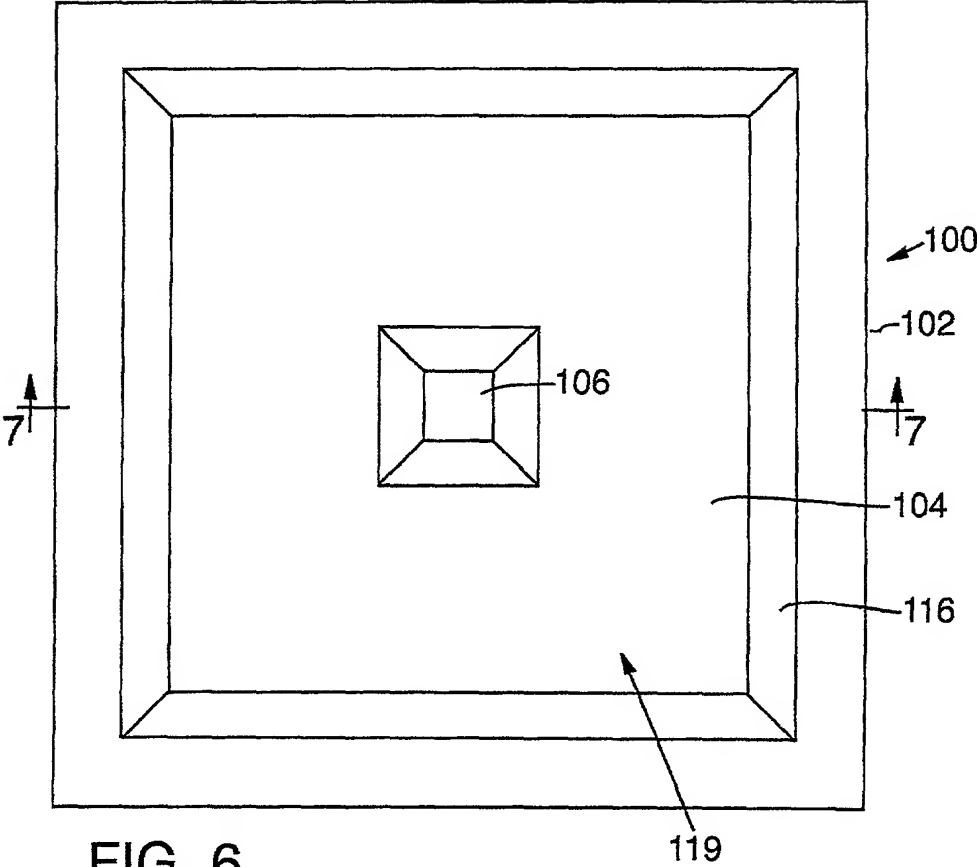


FIG. 6

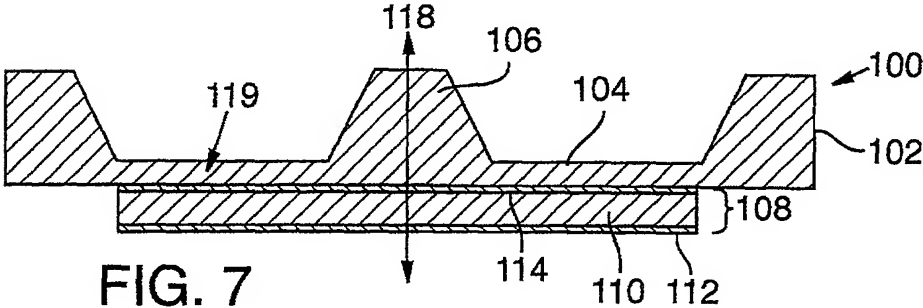


FIG. 7

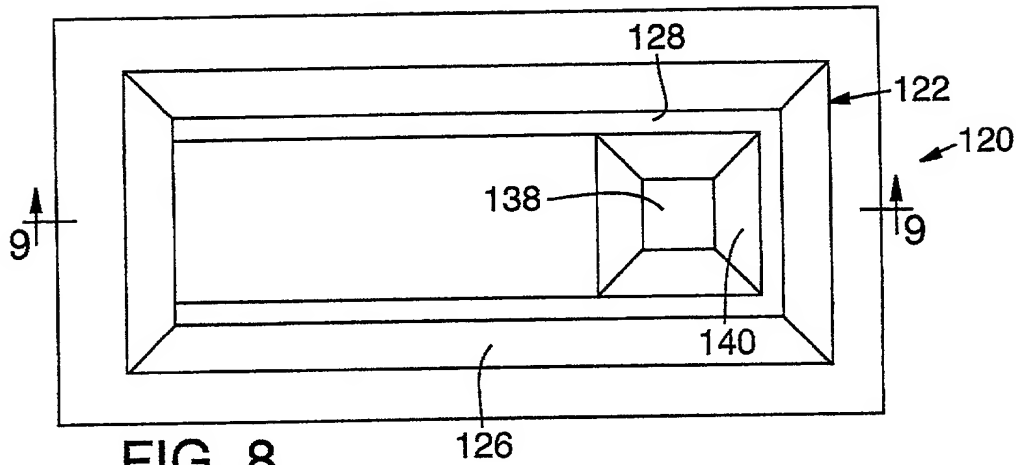


FIG. 8

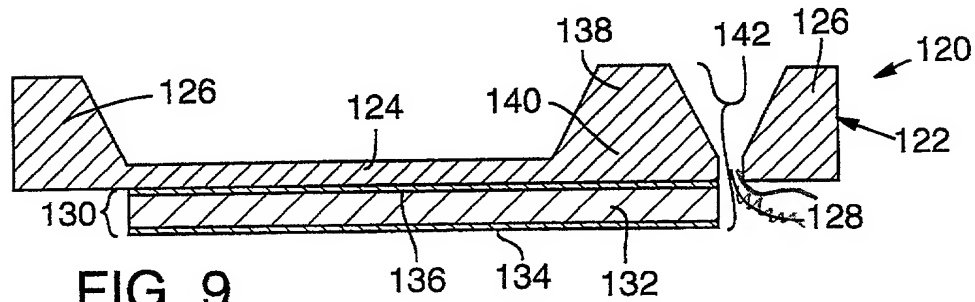


FIG. 9

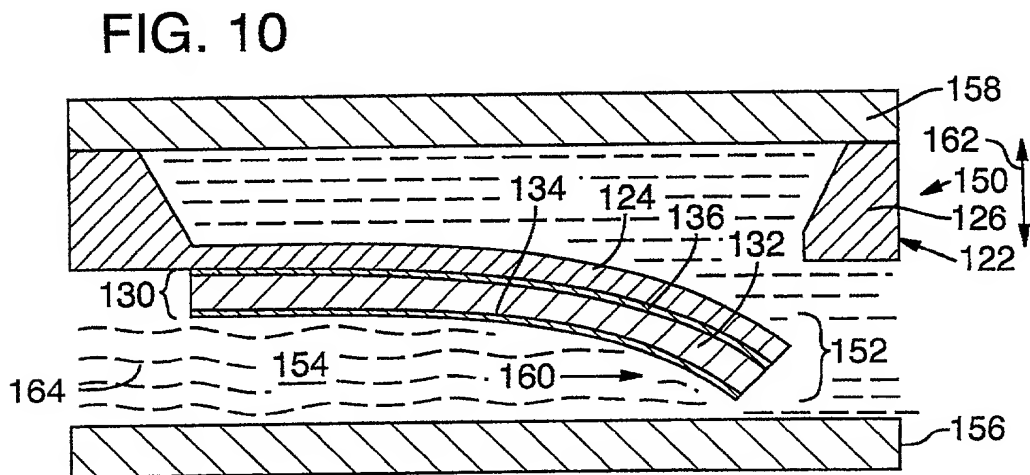


FIG. 10

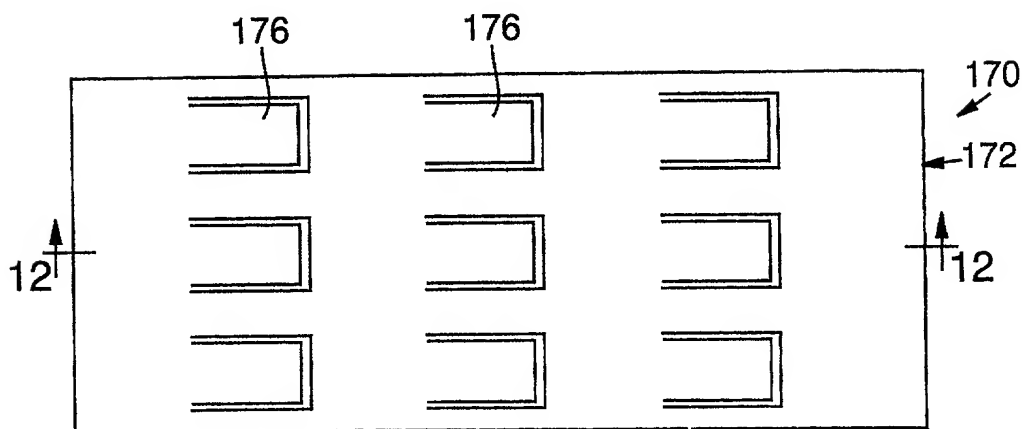


FIG. 11

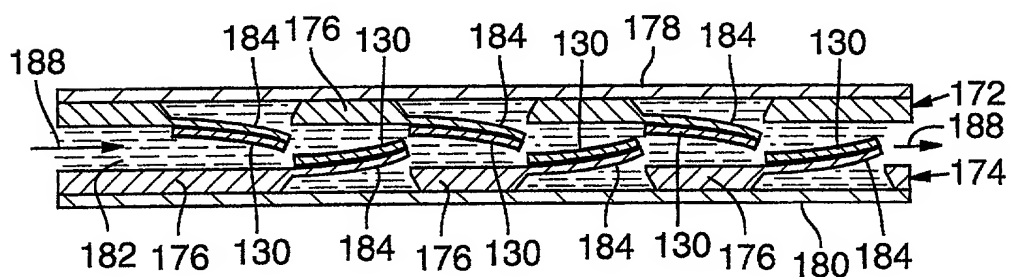


FIG. 12

FIG. 13A

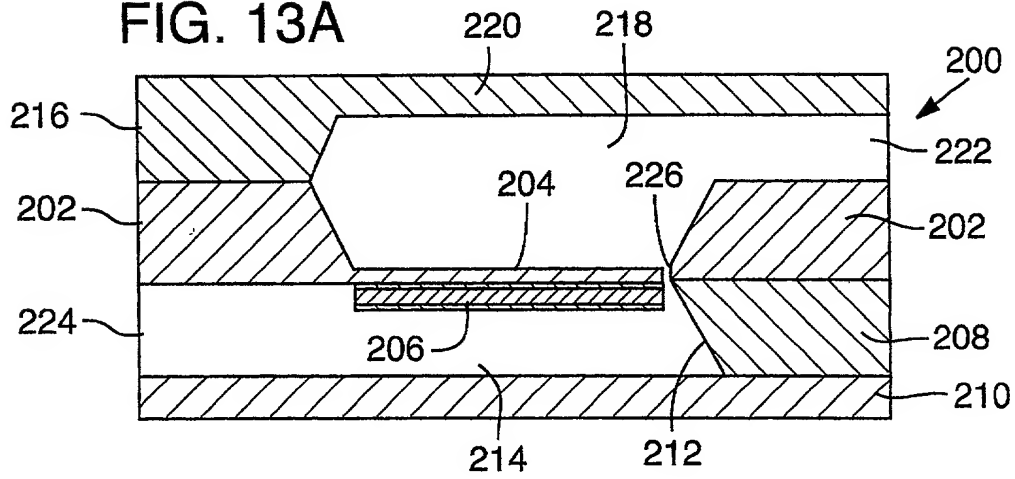


FIG. 13B

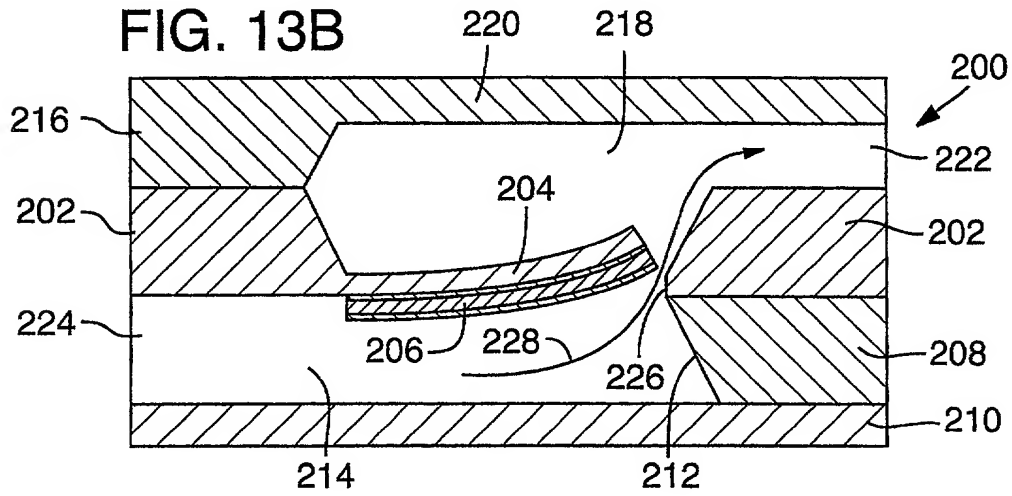


FIG. 13C

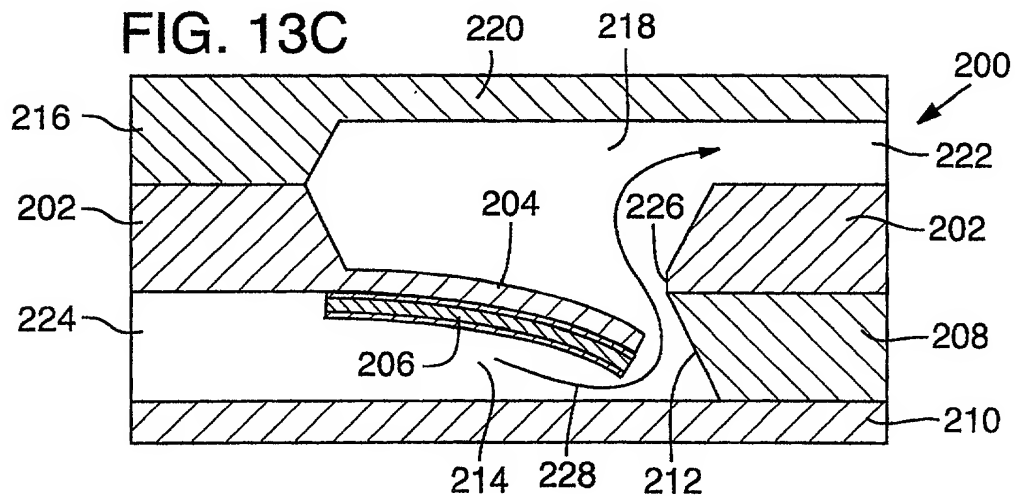


FIG. 15A

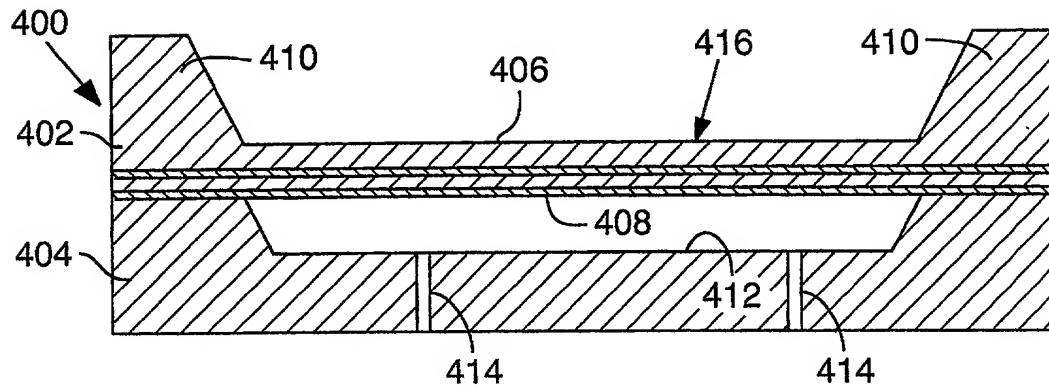


FIG. 15B

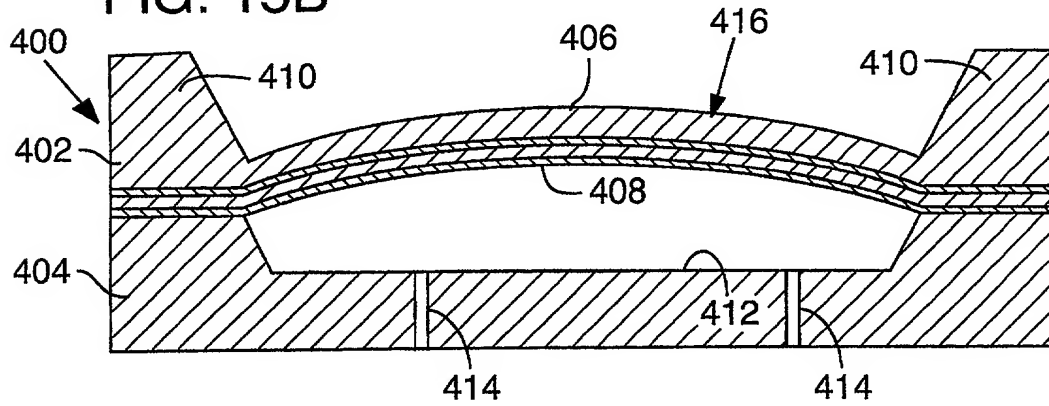


FIG. 15C

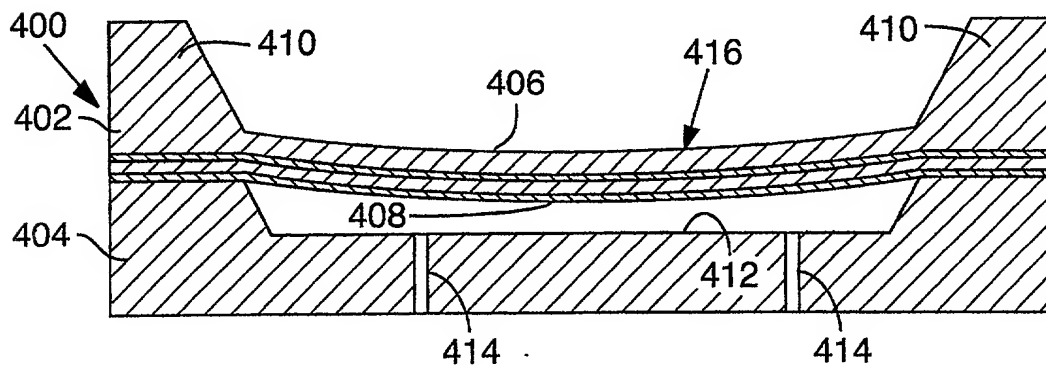


FIG. 16A

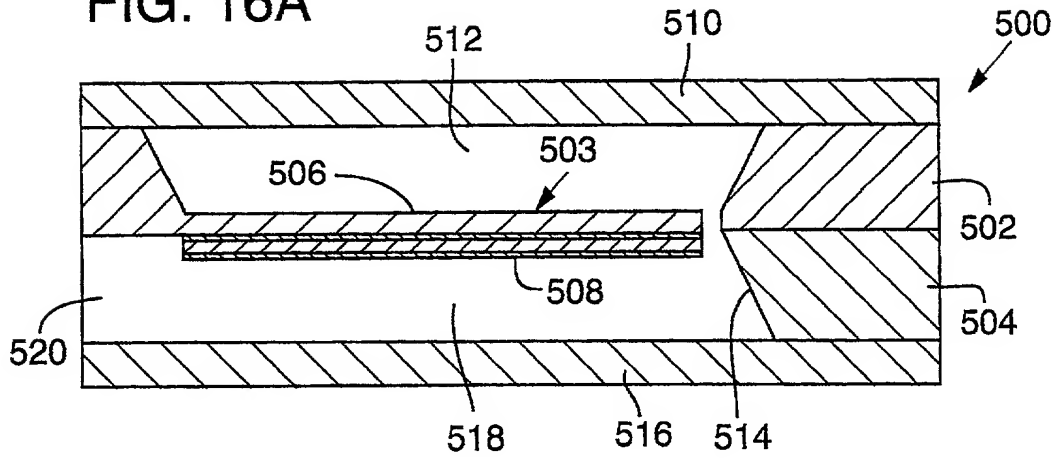


FIG. 16B

